



A MEMBER OF THE **CPDI**
 An Information Portal to Biological Macromolecular
 Structure
 As of Tuesday Jul 29, 2008 there are 52103 Structures | PC
 Statistics

CONTACT US | HELP | PRINT PAGE

☒ PDB ID or keyword ☐ Author

Site Search

☒ Advanced Search

Home Search Results Queries

☒ Results (1-10 of 10)

☒ Results ID List

☒ Modify / Refine this Search

☒ Select All

☒ Deselect All

☒ Download Selected

☒ Tabulate

☒ Narrow Query

☒ Sort Results

☒ Results per Page

☒ Show Query Details

☒ Results Help



Refine this query by
 selecting the link "Refine
 this Search" in the menu
 above.

Are you missing data updates? The PDB archive has moved
 to ftp://ftp.pdb.org.
 For more information click here.

Help 10 Structure Hits 10 Ligand Hits 7 Citations 1 Web Page Hit

GO Hits SCOP Hits CATH Hits

Advanced Keyword Query for: glucocerebrosidase

1

☒ 1ogs



HUMAN ACID-BETA-GLUCOSIDASE

Characteristics

Release Date: 03-Jul-2003 Exp Method:

Classification

Hydrolase

Compound

Polymer: 1 Molecule: GLUCOSYLCE/

Chains: A,B EC no.: 3.2.1.45

Polymer: 2 Molecule: SUGAR (2-MER)

Dvir, H., Harel, M., McCarthy, A.A.,
 L., Silman, I., Futerman, A.H., Sus
 J.L., Israel Structural Proteomics C

Authors

☒ 1y7v



X-ray structure of human acid-beta
 glucosidase covalently bound to
 conduritol B epoxide

Characteristics

Release Date: 12-Apr-2005 Exp Method:

Classification

Resolution: 2.40 Å

Hydrolase

Compound

Polymer: 1 Molecule: Glucosylceramida

Mutation: R495H Chains: A,B EC no.: 3

Polymer: 2 Molecule: SUGAR (2-MER)

Premkumar, L., Sawkar, A.R., Bold
 S., Tokar, L., Silman, I., Kelly, J.W
 A.H., Sussman, J.L., Israel Structu
 Proteomics Center (ISPC)

Authors

☒ 2j25



PARTIALLY DEGLYCOSYLATED
 GLUCOCERAMIDASE

Characteristics

Release Date: 06-Dec-2006 Exp Method:

Classification

Resolution: 2.90 Å

Hydrolase

				<p>Compound</p> <p>Polymer: 1 Molecule: GLUCOSYLCE/ Fragment: RESIDUES 40-536 Chains: , no.: 3.2.1.45 </p> <p>Polymer: 2 Molecule: SUGAR (2-MER) Polymer: 4 Molecule: SUGAR (5-MER) Polymer: 5 Molecule: SUGAR (3-MER)</p> <p>Authors</p> <p>Brumshtein, B., Wormald, M.R., Sil I., Fuerman, A.H., Sussman, J.L.</p>
				<p>Compound</p> <p>Polymer: 1 Molecule: Glucosylceramida Chains: A,B,C,D EC no.: 3.2.1.45 </p> <p>Authors</p> <p>Lieberman, R.L., Petsko, G.A., Ring</p>
				<p>Compound</p> <p>Polymer: 1 Molecule: Acid beta-glucosid Chains: A,B EC no.: 3.2.1.45 </p> <p>Polymer: 3 Molecule: SUGAR (2-MER)</p> <p>Authors</p> <p>Hegde, R.S., Grabowski, G.</p>
				<p>Compound</p> <p>Polymer: 1 Molecule: Glucosylceramida Chains: A,B,C,D EC no.: 3.2.1.45 </p> <p>Authors</p> <p>Lieberman, R.L., Petsko, G.A., Ring</p>

<input checked="" type="checkbox"/> 2v3f		ACID-BETA-GLUCOSIDASE PRODUCED IN CARROT
	Characteristics	Release Date: 08-Apr-2008 Exp. Method: Resolution: 1.95 Å
<input type="checkbox"/>	Classification	Hydrolase
		Polymer: 1 Molecule: GLUCOSYLCE/
	Compound	Chains: A,B EC no.: 3.2.1.45  Other Polymer: 2 Molecule: SUGAR (4-MER) Polymer: 3 Molecule: SUGAR (3-MER)
	Authors	Shaaltiel, Y., Bartfield, D., Hashmu G., Brill-Aimon, E., Gaili, G., Dym Adamsky, S.A., Silman, I., Sussma J.L., Futerman, A.H., Aviezer, D., C Israel Structural Proteomics
<input checked="" type="checkbox"/> 2v3d		ACID-BETA-GLUCOSIDASE WITH N BUTYL-DEOXYNOJIRIMYCIN
	Characteristics	Release Date: 14-Aug-2007 Exp. Method: Resolution: 1.96 Å
<input type="checkbox"/>	Classification	Hydrolase
		Polymer: 1 Molecule: GLUCOSYLCE/
	Compound	Chains: A,B EC no.: 3.2.1.45  Other DNJ INHIBITOR IN THE ACTIVE SITE
	Authors	Brumshtein, B., Greenblatt, H.M., E T.D., Shaaltiel, Y., Aviezer, D., Silm I., Futerman, A.H., Sussman, J.L.
<input checked="" type="checkbox"/> 2v3e		ACID-BETA-GLUCOSIDASE WITH N NONYL-DEOXYNOJIRIMYCIN
	Characteristics	Release Date: 21-Aug-2007 Exp. Method: Resolution: 2.00 Å
<input type="checkbox"/>	Classification	Hydrolase
		Polymer: 1 Molecule: GLUCOSYLCE/
	Compound	Chains: A,B EC no.: 3.2.1.45  Other DNJ IN THE ACTIVE SITE
	Authors	Brumshtein, B., Greenblatt, H.M., E T.D., Shaaltiel, Y., Aviezer, D., Silm I., Futerman, A.H., Sussman, J.L.